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In re Application of \_\_\_\_\_

Application Number

08/403,844

Filed  
9/14/02

Art Unit

Examiner

Paper No. \_\_\_\_\_

Assistant Commissioner for Patents  
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1.  I hereby request access under 37 CFR 1.14(e)(2) to the application file record of the above-identified ABANDONED Application, which is not within the file jacket of a pending Continued Prosecution Application (CPA) (37 CFR 1.53(d)) and is: (CHECK ONE)

 (A) referred to in:

United States Patent Application Publication No. \_\_\_\_\_, page \_\_\_\_\_, line \_\_\_\_\_.

United States Patent Number 6,184,043, column Fac, line \_\_\_\_\_, or  
an International Application which was filed on or after November 29, 2000 and which  
designates the United States, WIPO Pub. No. \_\_\_\_\_, page \_\_\_\_\_, line \_\_\_\_\_. (B) referred to in an application that is open to public inspection as set forth in 37 CFR 1.11(b) or  
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US006184043B1

(12) United States Patent  
Fodstad et al.(10) Patent No.: US 6,184,043 B1  
(45) Date of Patent: Feb. 6, 2001

- (54) METHOD FOR DETECTION OF SPECIFIC TARGET CELLS IN SPECIALIZED OR MIXED CELL POPULATION AND SOLUTIONS CONTAINING MIXED CELL POPULATIONS

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(\*) Notice: Under 35 U.S.C. 154(b), the term of this patent shall be extended for 0 days.

(21) Appl. No.: 08/881,393

(22) Filed: Jun. 24, 1997

**Related U.S. Application Data**

(62) Division of application No. 08/403,844, filed as application No. PCT/NO93/00136, filed as application No. PCT/NO92/00151 on Sep. 14, 1992.

**(30) Foreign Application Priority Data**

Sep. 14, 1992 (WO) ..... PCT/NO92/00151

(51) Int. Cl.<sup>7</sup> ..... G01N 33/553

(52) U.S. Cl. ..... 436/526; 435/2; 435/7.1; 435/7.2; 435/7.23; 435/7.24; 435/7.25; 435/7.5; 435/7.8; 435/7.94; 435/40; 435/52; 435/174; 435/181; 435/961; 436/513; 436/518; 436/523; 436/532; 436/534; 436/538; 436/540; 436/824; 436/828

(58) Field of Search ..... 435/2, 7.1, 7.2, 435/7.23, 7.24, 7.25, 7.5, 7.8, 7.94, 40.52, 174, 181, 961; 436/513, 518, 523, 526, 532, 534, 538, 540, 824, 828

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**(57) ABSTRACT**

The invention relates to a method for detecting specific target-cells in a simple and time saving way, using paramagnetic particles, antibodies recognizing the Fc portions of target-cell associating antibodies and target-cell associating antibodies directed to specific antigen determinants in the target-cell membranes. Incubation of the cell suspension with a mild detergent and/or second set of antibodies or antibody fragments, prelabeled or not with fluorescent agents, metallocolloids, radioisotopes, biotincomplexes or certain enzymes allowing visualization, with dramatically increase the specificity of the method. The method can further be used for isolation of the target-cells by magnetic field application and kit for performing the method according to the invention is described.

21 Claims, No Drawings